

## KOREAN PATENT ABSTRACTS

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(54) SYSTEM AND METHOD FOR OFFERING INDEX WORD SEARCH AND INFORMATION PROVIDING SERVICE BY USING AND OPERATOR

(57) Abstract:

**PURPOSE:** An index word search and information providing service system and method is provided to extract index words, to calculate a frequency of each index word included in specific documents, to calculate scores for the documents based on the calculated frequency, and to output the documents from the highest to the lowest score. **CONSTITUTION:** An index agent receives document data such as contents and URLs from a robot agent via an FA(Foreign Agent)(S510). The index agent extracts index words from the received document data, and calculates a frequency of each index word in a document(S520). The index agent requests the robot agent to transmit a next document(S530), and the robot agent checks whether the requested document is the last in a URL database(S540). If the requested document is not the last, the step S520 is repeated. Otherwise, the frequency of each index word is calculated for all the document, all the documents including the index words are extracted and simultaneously, scores for the extracted documents are calculated based on a score calculation equation(S550). The data on the documents including the index words is stored at an index database(S560).